

CLAIMS:

1. - 57. (canceled)

1 58. (new) A screen apparatus for a shale shaker, the shale shaker having
2 mounting structure, the screen apparatus comprising
3 a panel, the panel having a first side spaced apart from a second side,
4 the panel having an area provided with a multiplicity of apertures and
5 at least one layer of screening material arranged over the multiplicity of apertures,
6 the panel having at least one support rib for supporting the panel,
7 a support structure, the support structure having a support body and
8 at least one projection projecting upwardly from the support body,
9 the panel selectively positionable above said support structure, and
10 said panel located above said support structure, said panel in contact
11 with said at least one projection so that said panel is deflectable with respect to said
12 at least one projection such that at least two spans are defined by said panel with
13 each of the first side of the panel and the second side of the panel deflected
14 downwardly with respect to the at least one projection.

1 59. (new) The screen assembly of Claim 58 wherein said said panel further
2 comprises
3 at least one panel support positioned above and aligned with the at
4 least one projection for engaging the at least one projection during deflection of the
5 panel.

1 60. (new) The screen apparatus of Claim 59 wherein one of said at least one
2 projection and said panel support member has a convex rounded profile and the other has
3 a corresponding concave rounded profile.

1 61. (new) The screen apparatus of Claim 59 wherein said at least one projection
2 comprises a bar or tube extending across a substantial portion of said structural support.

1 62. (new) The screen apparatus of Claim 59 wherein said support structure
2 comprises portions having openings therein.

1 63. (new) The screen apparatus of Claim 59 wherein said support structure
2 comprises an outer frame and cross members.

1 64. (new) The screen apparatus of Claim 59 wherein
2 the at least one projection is two spaced-apart projections including

3 a first projection and a second projection, and

4 the panel is deflectable so that part of the first side is deflectable with
5 respect to the first projection and part of the second side is deflectable with respect
6 to the second projection.

1 65. (new) The screen apparatus of Claim 64 wherein

2 said panel has two parallel supports including a first panel support and
3 a second panel support,

4 the first panel support above and aligned with the first projection, and
5 the second panel support above and aligned with the second
6 projection.

1 66. (new) The screen apparatus of Claim 59 further comprising

2 deflection apparatus for deflecting the first side and second side of the
3 panel with respect to the at least one projection.

1 67. (new) The screen apparatus of Claim 59 wherein the at least one projection
2 is a curved integral part of the support structure.

1 68. (new) The screen apparatus of Claim 59 wherein the at least one projection
2 is a tubular member.